

Title (en)

ALUMINUM CHELATE-BASED LATENT CURING AGENT

Title (de)

LATENTES HÄRTUNGSMITTEL AUF ALUMINIUMCHELATBASIS

Title (fr)

AGENT DE DURCISSEMENT LATENT À BASE DE CHÉLATE D'ALUMINIUM

Publication

EP 2586817 B1 20200325 (EN)

Application

EP 11800642 A 20110617

Priority

- JP 2010146468 A 20100628
- JP 2011063930 W 20110617

Abstract (en)

[origin: US2012119156A1] A novel aluminum chelate latent curing agent that can cure a glycidyl ether epoxy compound at a lower temperature and more quickly than an aluminum chelate latent curing agent produced by emulsification and interfacial polymerization of a polyfunctional isocyanate in the presence of both a radical polymerizable monomer, such as divinyl benzene, and a radical polymerization initiator, is micro-encapsulated in a core-shell form, wherein an aluminum chelate curing agent and a cationic polymerizable compound are included in a capsule formed from an interfacial polymerization product of a polyfunctional isocyanate.

IPC 8 full level

C08G 18/02 (2006.01); **C08G 59/18** (2006.01); **C08G 59/70** (2006.01); **C08G 65/18** (2006.01); **C08G 85/00** (2006.01); **C08K 5/07** (2006.01); **C08K 5/5419** (2006.01); **C08L 63/00** (2006.01); **C09J 7/00** (2018.01); **C09J 9/02** (2006.01); **C09J 11/06** (2006.01); **C09J 163/00** (2006.01); **C09J 163/02** (2006.01); **C09J 171/00** (2006.01); **C09J 183/04** (2006.01)

CPC (source: EP KR US)

C08G 18/0866 (2013.01 - EP US); **C08G 18/6212** (2013.01 - EP US); **C08G 18/8029** (2013.01 - EP US); **C08G 59/188** (2013.01 - EP); **C08G 59/40** (2013.01 - KR); **C08G 59/70** (2013.01 - EP KR US); **C08G 65/18** (2013.01 - EP US); **C08K 9/10** (2013.01 - KR); **C08L 63/00** (2013.01 - EP KR US); **C09J 163/00** (2013.01 - EP US); **C08K 5/0091** (2013.01 - EP US); **C08K 9/10** (2013.01 - EP US)

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TWI676631B

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DOCDB simple family (publication)

US 2012119156 A1 20120517; **US 8835572 B2 20140916**; CN 102471495 A 20120523; CN 102471495 B 20131023; EP 2586817 A1 20130501; EP 2586817 A4 20171018; EP 2586817 B1 20200325; HK 1166510 A1 20121102; JP 2010209359 A 20100924; JP 5365811 B2 20131211; KR 101354875 B1 20140122; KR 20120040154 A 20120426; TW 201202293 A 20120116; TW I513727 B 20151221; WO 2012002177 A1 20120105

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